

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of:  
David McKay et al. §  
Patent No.: 7,096,982 § Confirmation No.: 6867  
Issued: August 29, 2006 § Group Art Unit: 3672  
Serial No.: 10/788,976 § Examiner: Frank Tsay  
Filed: February 27, 2004 §  
For: DRILL SHOE §

Certificate of Correction Branch  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

**REQUEST FOR CERTIFICATE OF CORRECTION**

Attached is a Certificate of Correction for correcting errors in Section (56), References Cited, of the printed patent, more specifically to correct the patent numbers of two patent documents and to add fifty-eight (58) references that were omitted from the list.

The references were cited in three of Applicant's Supplemental Information Disclosure Statements, mailed October 5, 2004, January 14, 2005, and April 12, 2005, respectively, copies of which are attached. Also attached are copies of the specific sheets on which each reference was listed indicating the Examiner's consideration of the reference. An asterisk in the left margin indicates a correct patent number that was incorrectly printed in the patent. An arrow in the left margin indicates that the reference

was omitted from the printed patent. Applicant submits that the errors mentioned above were not made by the Applicant, but were made during the printing of the patent.

Although Applicant believes that no fees are due in connection with this request, the Commissioner is hereby authorized to charge counsel's Deposit Account No. 20-0782/WEAT/0372/WBP for any fees required to make the corrections indicated on the attached Certificate of Correction.

Respectfully submitted,



William B. Patterson  
Registration No. 34,102  
PATTERSON & SHERIDAN, L.L.P.  
3040 Post Oak Blvd. Suite 1500  
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Attorney for Applicant

UNITED STATES PATENT AND TRADEMARK OFFICE  
CERTIFICATE OF CORRECTION

PATENT NO : 7,096,982

Page 1 of 4

APPLICATION NO. : 10/788,976

DATED : August 29, 2006

INVENTOR(S) : David McKay and David M. Haugen

It is certified that error appears in the above-identified patent and that said Letters Patent are hereby corrected as shown below:

**In Section (56) -- References Cited, Under U.S. PATENT DOCUMENTS:**

Please delete [3,545,936 A] and insert --3,548,936 A--.

Please add the following:

1,981,525	11/1934	Price
2,324,679	7/1943	Cox
3,518,903	7/1970	Ham et al.
3,550,684	12/1970	Cubberly, Jr.
3,552,509	1/1971	Brown
3,552,510	1/1971	Brown
3,566,505	3/1971	Martin
3,570,598	3/1971	Johnson
4,054,332	10/1977	Bryan, Jr.
4,054,426	10/1977	White
4,064,939	12/1977	Marquis
4,077,525	3/1978	Callegari et al.
4,277,197	7/1981	Bingham
4,336,415	6/1982	Walling
4,396,077	9/1981	Radtke
4,489,793	12/1984	Boren
4,515,045	5/1985	Gnatchenko et al.
4,593,773	6/1986	Skele

(continued on page 2)

## MAILING ADDRESS OF SENDER (Please do not use customer number below):

William B. Patterson  
PATTERSON & SHERIDAN, L.L.P.  
3040 Post Oak Blvd. Suite 1500  
Houston, TX 77056  
Telephone: (713) 623-4844

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.10. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

PTO/SB/44 (04-05)

## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO : 7,096,962

Page 2 of 4

APPLICATION NO. : 10/788,976

DATED : August 29, 2006

INVENTOR(S) : David McKay and David M. Haugen

It is certified that error appears in the above-identified patent and that said Letters Patent are hereby corrected as shown below:

### In Section (56) -- References Cited, Under U.S. PATENT DOCUMENTS:

Please add the following:

4,667,752	5/1987	Berry et al.
4,725,179	2/1988	Woolslayer et al.
4,813,493	3/1989	Shaw et al.
4,960,173	10/1990	Cognevich et al.
5,022,472	6/1991	Bailey et al.
5,082,069	1/1992	Seller et al.
5,096,465	3/1992	Chen et al.
5,224,540	7/1993	Streich et al.
5,305,830	4/1994	Wittirsch
5,320,178	6/1994	Cornette
5,323,858	6/1994	Jones et al.
5,477,925	12/1995	Trahan et al.
5,553,672	9/1996	Smith, Jr. et al.
5,577,566	11/1996	Albright et al.
5,651,420	7/1997	Tibbitts et al.
5,813,456	9/1998	Milner et al.
5,836,395	11/1998	Budde
5,836,409	11/1998	Vail, III
5,890,549	4/1999	Sprehe
6,161,617	12/2000	Gjedebo

(continued on page 3)

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PATTERSON & SHERIDAN, L.L.P.  
3040 Post Oak Blvd. Suite 1500  
Houston, TX 77056  
Telephone: (713) 623-4844

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UNITED STATES PATENT AND TRADEMARK OFFICE  
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PATENT NO : 7,096,982

Page 3 of 4

APPLICATION NO. : 10/788,976

DATED : August 29, 2006

INVENTOR(S) : David McKay and David M. Haugen

It is certified that error appears in the above-identified patent and that said Letters Patent are hereby corrected as shown below:

**In Section (56) -- References Cited, Under U.S. PATENT DOCUMENTS:**

Please add the following:

6,182,776	2/2001	Asberg
6,325,148	12/2001	Trahan et al.
6,343,649	2/2002	Beck et al.
6,446,723	9/2002	Rammons et al.
6,538,576	3/2003	Schultz et al.
6,622,796	9/2003	Pietras
2004/0112603	6/2004	Galloway et al.
2004/0216925	11/2004	Metcalfe et al.
2004/0221997	11/2004	Giroux et al.

**In Section (56) -- References Cited, Under FOREIGN PATENT DOCUMENTS:**

Please delete [GB 1 459 661] and replace it with --GB 1 469 661--.

Please add the following:

RU	1808972	5/1991
WO	99/24689	5/1999
WO	00/11311	3/2000

MAILING ADDRESS OF SENDER (Please do not use customer number below):

William B. Patterson  
PATTERSON & SHERIDAN, L.L.P.  
3040 Post Oak Blvd. Suite 1500  
Houston, TX 77056  
Telephone: (713) 623-4844

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*If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.*

## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO : 7,096,982

Page 4 of 4

APPLICATION NO. : 10/788,976

DATED : August 29, 2006

INVENTOR(S) : David McKay and David M. Haugen

It is certified that error appears in the above-identified patent and that said Letters Patent are hereby corrected as shown below:

### In Section (56) -- References Cited, Under OTHER PUBLICATIONS:

Please add the following:

YAKOV A. GELFGAT, MIKHAIL Y. GELFGAT and YURI S. LOPATIN, Retractable Drill Bit Technology – Drilling Without Pulling Out Drillpipe, Advanced Drilling Solutions Lessons From the FSU; June 2003; Vol. 2, pps. 351-464

The Original Portable Top Drive Drilling System, TESCO Drilling Technology, 1997

Editor, "Innovation Starts At The Top At Tesco," The American Oil & Gas Reporter, April, 1998, p. 65

Tessari, et al., "Casing Drilling – A Revolutionary Approach To Reducing Well Costs," SPE/IADC Paper 52789, SPE/IADC Drilling Conference, March 9-11, 1999, pp. 221-229

Forest, et al., "Subsea Equipment For Deep Water Drilling Using Dual Gradient Mud System," SPE/IADC Drilling Conference, Amsterdam, The Netherlands, February 27, 2001-March 01, 2001, 8 pages

Coats, et al., "The Hybrid Drilling Unite: An Overview Of An Integrated Composite Coiled Tubing And Hydraulic Workover Drilling System," SPE Paper 74349, SPE International Petroleum Conference And Exhibition, February 10-12, 2002, pp. 1-7

Sander, et al., "Project Management And Technology Provide Enhanced Performance For Shallow Horizontal Wells," IADC/SPE Paper 74466, IADC/SPE Drilling Conference, February 26-28, 2002, pp. 1-9

Evans, et al., "Development And Testing Of An Economical Casing Connection For Use In Drilling Operations," paper WOCD-0306-03, World Oil Casing Drilling Technical Conference, March 6-7, 2003, pp. 1-10

MAILING ADDRESS OF SENDER (Please do not use customer number below):

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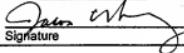
If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: §  
McKay, et al §  
Serial No.: 10/788,976 § Group Art Unit: 3672  
Confirmation No.: 6867 §  
Filed: February 27, 2004 § Examiner: Unknown  
For: DRILL SHOE § Customer No.: 36735

MAIL STOP AMENDMENT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

CERTIFICATE OF MAILING 37 CFR 1.8	
I hereby certify that this correspondence is being deposited with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on <u>October 5</u> 2004.	
Jason C. Huang Typed Name	

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

The Applicants, and the Attorney who signs below on the basis of the information supplied by the inventor and the information in his file, submit herewith patents, publications, or other information of which they are aware, which may be material to the examination of this application and in respect of which there may be a duty to disclose in accordance with 37 CFR § 1.56.

While the information submitted in this Supplemental Information Disclosure Statement may be material pursuant to 37 CFR § 1.56, it is not intended to constitute an admission that any patent, publication, or other information referred to therein is prior art for this invention unless specifically designated as such.

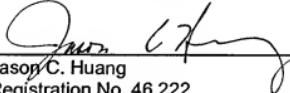
In accordance with 37 CFR § 1.97, this Supplemental Information Disclosure Statement is not to be construed as a representation that a search has been made or that no other possibly material information as defined under 37 CFR § 1.56(a) exists.

The patents and/or publications submitted herewith are set forth on the attached Form PTO-1449.

Applicants certify that all references submitted with this disclosure were first cited in a communication from a foreign patent office dated June 15, 2004, which communication is enclosed, not more than three months prior to the filing of this Supplemental Information Disclosure Statement.

If the sum of \$180.00 is due under 37 CFR § 1.17(p) pursuant to § 1.97, the Commissioner is hereby authorized to charge this fee, and any other fee necessary to make this submission timely, to the Deposit Account No. 20-0782/WEAT/0372/WBP.

Respectfully submitted,



\_\_\_\_\_  
Jason C. Huang  
Registration No. 46,222  
MOSER, PATTERSON & SHERIDAN, L.L.P.  
3040 Post Oak Blvd. Suite 1500  
Houston, TX 77056  
Telephone: (713) 623-4844  
Facsimile: (713) 623-4846  
Attorney for Applicant(s)

Substitute for form 1449A/PTO

# SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet

1

of

29

Application Number	10/788,976
Filing Date	February 27, 2004
First Named Inventor	McKay, et al
Group Art Unit	3672
Examiner Name	Unknown
Attorney Docket Number	WEAT/0372

## U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
A1	US-6742606 B2		06/01/2004	McLacafe, et al.	
A2	US-6702040 B1		03/09/2004	Sensenig	
A3	US-6668937		12/30/2003	Murray	
A4	US6634430		10/21/2003	Dawson et al.	
A5	US-6547017 B1		04/15/2003	Vail, III	
A6	US-6543552 B1		04/08/2003	McLacafe, et al.	
A7	US-6536993 B2		03/25/2003	Strong, et al.	
A8	US-6457532 B1		10/01/2002	Simpson	
A9	US-6263987 B1		07/24/2001	Vail, III	
A10	US-6216533 B1		04/17/2001	Wolson, et al.	
A11	US-6189616 B1		02/20/2001	Gano, et al.	
A12	US-6186233 B1		02/13/2001	Brunei	
A13	US-6155360		12/05/2000	McLeod	
A14	US-6135208		10/24/2000	Gano, et al.	
A15	US-6098717		08/08/2000	Bailey et al.	
A16	US-6070671		06/06/2000	Cumming et al.	
A17	US-6035953		03/14/2000	Rear	
A18	US-6024169		02/15/2000	Haugen	

## FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
B1	DE 3 213 464		10/13/1983	Reimer		
B2	DE 4 133 802		10/22/1992	Andrejewski		
B3	EP 0 235 105		09/02/1987	Kjell-Oue		
B4	EP 0 265 344		04/27/1988	Legendre		
B5	EP 0 462 618		12/27/1991	Karlsson		

## Examiner

## Date Considered

**EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. \* Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and transmitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-766-9199) and select option 2.

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Substitute for form 1449A/PTO

# SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 2 29

Application Number	10/788,976
Filing Date	February 27, 2004
First Named Inventor	McKay, et al
Group Art Unit	3672
Examiner Name	Unknown
Attorney Docket Number	WEAT/0372

## U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
A19	US-5887668		03/01/1999	Haugen et al.	
A20	US-5887655		03/30/1999	Haugen, et al.	
A21	US-5836409		11/17/1998	Vail,III	
A22	US-5826651		10/27/1998	Lee, et al.	
A23	US-5803666		09/08/1998	Keller	
A24	US-5787978		08/04/1998	Carter, et al.	
A25	US-5785132		07/28/1998	Richardson, et al.	
A26	US-5717334		02/10/1998	Vail,III, et al.	
A27	US-5706905		01/13/1998	Barr	
A28	US-5615747		04/01/1997	Vail,III	
A29	US-5575344		11/19/1996	Wireman	
A30	US-5560440		10/01/1996	Tibbitts	
A31	US-5553679		09/10/1996	Thorp	
A32	US-5546317		10/10/1995	Hood, III, et al.	
A33	US-5526880		06/18/1995	Jordan, Jr., et al.	
A34	US-5520255		05/28/1995	Barr et al.	
A35	US-5477925		12/26/1995	Trahan, et al.	
A36	US-5458209		10/17/1995	Hayes, et al.	
A37	US-5435400		07/25/1995	Smith	
A38	US-5402856		04/04/1995	Warren, et al.	

## FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>4</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
B6	EP 0 554 568		08/11/1993	Tibbitts, et al.		
B7	EP 0 961 007		12/06/1999	Gano, et al.		
B8	EP 1 006 260		06/07/2000	Flincher, et al.		
B9	GB 2 335 217		09/15/1999	Desai		

Examiner	Date Considered
----------	-----------------

XAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbol as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

his collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

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# SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet

3

of

29

Application Number	10/788,976
Filing Date	February 27, 2004
First Named Inventor	McKay, et al
Group Art Unit	3672
Examiner Name	Unknown
Attorney Docket Number	WEAT/0372

Submission Date

## U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
A39	US-5361859		11/08/1994	Tibbitts	
A40	US-5322127		06/21/1991	McNair et al.	
A41	US-5318122		06/07/1994	Murray, et al.	
A42	US-5181571		01/27/1993	Mueller	
A43	US-5109924		05/05/1992	Jurgens, et al.	
A44	US-5052483		10/01/1991	Hudson	
A45	US-4904119		02/27/1990	Legendre, et al.	
A46	US-4848469		07/18/1989	Baugh et al.	
A47	US-4836299		06/06/1989	Bodine	
A48	US-4825947		05/02/1989	Mikolajczyk	
A49	US-4899224		10/13/1987	Burton	
A50	US-4681158		07/21/1987	Pennison	
A51	US-4620600		11/04/1986	Persson	
A52	US-4604818		08/12/1986	Inoue	
A53	US-4595058		06/17/1986	Nations	
A54	US-4515045		05/07/1985	Gnatchenko, et al.	
A55	US-4489793		12/25/1984	Boren	
A56	US-4483399		11/20/1984	Colgate	
A57	US-4466498		08/21/1984	Bardwell	

## FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>2</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
B10	GB 1 469 661		04/06/1977	Swobda, et al.		
B11	GB 1 277 481		06/03/1972			
B12	GB 1 448 304		09/02/1976			
B13	GB 1 582 392		01/07/1981			

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# SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet

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of

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Application Number

10/788,976

Filing Date

February 27, 2004

First Named Inventor

McKay, et al

Group Art Unit

3672

Examiner Name

Unknown

Attorney Docket Number

WEAT/0372

Submission Date

## U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
	A58	US-4446745	05/08/1994	Stone, et al.	
	A59	US-4396076	08/02/1983	Inoue	
	A60	US-4396077	09/12/1981	Radtke	
	A61	US-4274778	06/23/1981	Putnam, et al.	
	A62	US-4221269	09/09/1980	Hudson	
	A63	US-4189185	02/19/1980	Kammerer, Jr., et al.	
	A64	US-4188628	02/05/1990	Bonnice	
	A65	US-4100981	07/18/1978	Chaffin	
	A66	US-4083405	04/11/1978	Shirley	
	A67	US-3934680	01/27/1976	Nelson	
	A68	US-3901331	08/26/1975	Djurovic	
	A69	US-3785193	01/15/1974	Kinley et al.	
	A70	US-3700048	10/24/1972	Desmoulin	
	A71	US-3691624	09/19/1972	Kinley	
	A72	US-3669190	06/13/1972	Sizer et al.	
	A73	US-3624760	11/30/1971	Bodine	
	A74	US-3575245	04/20/1971	Cordary, et al.	
	A75	US-3489220	01/13/1970	Kinley	
	A76	US3387893	06/11/1968	Hoever	

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		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
	B14	GB 2 053 088	02/04/1981	Gebhart		
	B15	GB 2 201 912	09/14/1988	Dinsdale		
	B16	GB 2 313 860	02/10/1997	Lee		
	B17	GB 2 320 270	06/17/1998	Arnett, et al.		
	B18	GB 2 333 542	07/28/1999	Kirk		

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**SUPPLEMENTAL  
INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet

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of

29

Application Number	10/788,976
Filing Date	February 27, 2004
First Named Inventor	McKay, et al
Group Art Unit	3672
Examiner Name	Unknown
Attorney Docket Number	WEAT/0372

Submission Date

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
	A77	US-3353599	11/21/1967	Swift	
	A78	US-3191680	06/29/1965	Vincent	
	A79	US-3191677	06/29/1965	Kinley	
	A80	US-3169592	02/26/1965	Kammerer	
	A81	US-3102599	09/03/1963	Hilburn	
	A82	US-3087546	04/30/1963	Wooley	
	A83	US-2805043	09/03/1957	Williams	
	A84	US-2765146	10/02/1956	Williams	
	A85	US-2764329	09/25/1956	Hampton	
	A86	US-2743087	04/24/1956	Layne, et al.	
	A87	US-2663073	12/22/1953	Bieber et al.	
	A88	US-2641444	06/09/1953	Moon	
	A89	US-2627891	02/10/1953	Clark	
	A90	US-2499630	03/07/1950	Clark	
	A91	US-2324679	07/20/1943	Cox	
	A92	US-2295803	09/15/1940	O'Leary	
	A93	US-2216895	10/08/1940	Stokes	
	A94	US-2060352	11/11/1936	Stokes	

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		Country Code <sup>2</sup> -Number-Kind Code <sup>3</sup> (if known)				
	B19	GB 2 365 463	02/20/2002	Giancarlo		
	B20	GB 2 382 361	05/28/2003	Hewson, et al.		
	B21	GB 2 216 926	10/18/1989	Haloid		
	B22	GB 2 348 223	09/27/2000	Cook, et al.		

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# SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet

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Application Number	10/788,976
Filing Date	February 27, 2004
First Named Inventor	McKay, et al
Group Art Unit	3672
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	A95	US-2049450	08/04/1936	Johnson	
	A96	US-2017451	10/15/1935	Wickersham	
	A97	US-1981525	11/20/1934	Price	
	A98	US-1880218	10/04/1932	Simmons	
	A99	US-1342424	06/08/1920	Cotten	
	A100	US-1301285	04/22/1919	Leonard	
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	A102	US-2004/0069501	04/15/2004	Haugen et al.	
	A103	US-2003/0217985	11/27/2003	Simpson, et al.	
	A104	US-2003/0146023	08/07/2003	Pia	
	A105	US-2003/0141111	07/31/2004	Pia	
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	A107	US-2003/0056991	03/27/2003	Hahn, et al.	
	A108	US-6,752,211	06/22/2004	Dewey, et al.	
	A109	US-2002/0040787	4/11/2002	Cook, et al.	
	A110	US-6,371,203	04/16/2002	Frank, et al.	
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	A112	US-5615747	04/01/1997	Vail, III	
	A113	US-5375668	12/27/1994	Hallundbaek	
	A114	US-5197553	03/30/1993	Letumo	
	A115	US-4982822	01/16/1990	Pascale	
	A116	US-4980173	10/02/1990	Cognevich, et al.	
	A117	US-4651837	03/24/1987	Mayfield	
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	A119	US-3552508	01/05/1971	Brown	

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		Country Code <sup>2</sup> -Number <sup>3</sup> -Kind Code <sup>3</sup> (if known)				
	B23	GB 540 027	10/02/1941			
	B24	GB 7 928 86	04/12/1958			
	B25	GB 8 388 33	06/22/1960			
	B26	GB 9 977 21	07/07/1965	Gamier, et al.		

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29

Application Number	10/788,976
Filing Date	February 27, 2004
First Named Inventor	McKay, et al
Group Art Unit	3672
Examiner Name	Unknown
Attorney Docket Number	WEAT/0372

Submission Date

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	B27	USSR 112631	01/10/1956	Barshai, et al.		
	B28	USSR 1304470	08/31/1984	Gelfat, et al.		
	B29	USSR 1808972	05/22/1991	Voroshilov, et al.		
	B30	USSR 247162	05/10/1967	Barshai, et al.		
	B31	USSR 395557	12/30/1971	Barshai, et al.		
	B32	USSR 415346	03/03/1972	Barshai, et al.		
	B33	USSR 461218	04/23/1973	Barshai, et al.		
	B34	USSR 481689	06/09/1972	Barshai, et al.		
	B35	USSR 501139	12/14/1973	Barshai, et al.		
	B36	USSR 581238	02/23/1976	Barshai, et al.		
	B37	USSR 583278	08/30/1974	Barshai, et al.		
	B38	USSR 585266	07/26/1974	Barshai, et al.		
	B39	USSR 601390	01/12/1976	Barshai, et al.		
	B40	USSR 655843	03/22/1977	Barshai, et al.		
	B41	USSR 659260	04/02/1967	Barshai		
	B42	USSR 781312	03/07/1978	Barshai, et al.		
	B43	USSR 899820	06/29/1979	Alkin, et al.		
	B44	USSR 955765	02/09/1981	Gelfat, et al.		
	B45	WO 00/37766	06/29/2000	Simpson, et al.		
	B46	WO 01/83932	11/08/2001	Tulloch		
	B47	WO 90/06418	06/14/1990	Schulze-Bechinghausen		
	B48	WO 92/01139	01/23/1992	Nobilequ		
	B49	WO 92/18743	10/29/1992	Pietras		
	B50	WO 92/20899	11/26/1992	Ellis		
	B51	WO 93/24728	12/09/1993	Simpson		

Examiner

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**SUPPLEMENTAL  
INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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Sheet	8	of	29	Application Number	10/788,976
				Filing Date	February 27, 2004
				First Named Inventor	McKay, et al
				Group Art Unit	3672
				Examiner Name	Unknown
				Attorney Docket Number	WEAT/0372
				Submission Date	

**FOREIGN PATENT DOCUMENTS**

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	B52	WO 95/10686	04/20/1995	Lorenz, et al.		
	B53	WO 96/28635	09/19/1996	Strong, et al.		
	B54	WO 98/09053	03/05/1998	Murray, et al.		
	B55	WO 99/23354	05/14/1999	Metcalfe		
	B56	WO 99/37881	07/29/1999	Kirk, et al.		
	B57	WO 99/50528	10/07/1999	Kuck, et al.		
	B58	WO 99/64713	12/16/1999	Wardley		
	B59	WO 99/11902	03/11/1999	Hollingsworth		
	B50	FR 2053088	07/20/1970	Gottwald		
	B72	WO 00/08293	02/17/2000	Van Drentham-Susman		
	B73	WO 91/16520	10/31/1991	Hallundbaek		
	B74					
	B75					
	B76					
	B77					
	B78					

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Sheet

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29

Application Number	10/788,976
Filing Date	February 27, 2004
First Named Inventor	McKay, et al
Group Art Unit	3672
Examiner Name	Unknown
Attorney Docket Number	WEAT/0372

Submission Date

## NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
	C1	HAHN, ET AL., "Simultaneous Drill and Case Technology - Case Histories, Status and Options for Further Development," Society of Petroleum Engineers, IADC/SPE Drilling Conference, New Orleans, LA Feb. 23-25, 2000 pp. 1-9.	
	C2	M.B. STONE and J. SMITH, "Expandable Tubulars and Casing Drilling are Options" Drilling Contractor, January/February 2002, pp. 52.	
	C3	M. GELFGAT, "Retractable Bits Development and Application" Transactions of the ASME, Vol. 120, June (1998), pp. 124-130.	
	C4	"First Success with Casing-Drilling" Word Oil, February (1999), pp. 25.	
	C5	DEAN E. GADDY, Editor, "Russia Shares Technical Know-How with U.S." Oil & Gas Journal, March (1999), pp. 51-52 and 54-56.	
	C6	United States Patent Application 10/794,800, filed March 5, 2004 (WEAT/0360)	
	C7	United States Patent Application 10/832,804, filed April 27, 2004 (WEAT/0383.P1)	
	C8	United States Patent Application 10/795,214, filed March 5, 2004 (WEAT/0373)	
	C9	United States Patent Application 10/794,795, filed March 5, 2004 (WEAT/0357)	
	C10	United States Patent Application 10/775,048, filed February 9, 2004 (WEAT/0359)	
	C11	United States Patent Application 10/772,217, filed February 2, 2004 (WEAT/0344)	
	C12	United States Patent Application 10/788,976, filed February 27, 2004 (WEAT/0372)	

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**SUPPLEMENTAL  
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(Use as many sheets as necessary)

Sheet

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29

Application Number	10788,976
Filing Date	February 27, 2004
First Named Inventor	McKay, et al
Group Art Unit	3672
Examiner Name	Unknown
Attorney Docket Number	WEAT/0372

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**NON PATENT LITERATURE DOCUMENTS**

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	C13	United States Patent Application 10/794,797, filed March 5, 2004 (WEAT/0371)	
	C14	United States Patent Application 10/767,322, filed January 29, 2004 (WEAT/0343)	
	C15	United States Patent Application 10/795,129, filed March 5, 2004 (WEAT/0366)	
	C16	United States Patent Application 10/794,790, filed March 5, 2004 (WEAT/0329)	
	C17	United States Patent Application 10/162,302, filed June 4, 2004 (WEAT/0410)	
	C18	Rotary Steerable Technology – Technology Gains Momentum, Oil & Gas Journal, 12/28/1998	
	C19	Directional Drilling, M. Mims, World Oil, May 1999, pp. 40-43	
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	C22		
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	C24		

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First Named Inventor	McKay, et al
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Examiner Name	Unknown
Attorney Docket Number	WEAT/0372
Submission Date	

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	A121	6,554,064	04-29-2003	Restarick et al.			
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	A138	6,397,946	06-04-2002	Vail, III			
	A139	6,378,630	04-30-2002	Ritorto et al.			
	A140	6,378,627	04-30-2002	Tubel et al.			
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	A142	6,371,203	04-16-2002	Frank et al.			

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A246	5,022,472	06-11-1991	Bailey et al.			
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A261	4,671,358	06-09-1987	Lindsey, Jr. et al.			
A262	4,686,873	08-18-1987	Lang et al.			

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A326		3,380,528	04-30-1968	Timmons			

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A332	2,692,059	10-19-1954	Bolling, Jr.			
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A335	2,621,742	12-16-1952	Brown			
A336	2,610,690	09-16-1952	Beatty			
A337	2,522,444	09-12-1950	Grable			
A338	2,214,429	09-10-1940	Miller			
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant.

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**SUPPLEMENTAL  
INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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Application Number	10/788,976
Filing Date	February 27, 2004
First Named Inventor	McKay, et al
Group Art Unit	3672
Examiner Name	Unknown
Attorney Docket Number	WEAT/0372
Submission Date	

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*Examiner Initial	Document Number	Issue Date	Applicant(s) Name	Class	Subcl ass	Filing Date If Appropriate
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Date Considered

**\*EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant.

Substitute for form 1449A/PTO		Application Number	10788,976
<b>SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>		Filing Date	February 27, 2004
(Use as many sheets as necessary)		First Named Inventor	McKay, et al
		Group Art Unit	3672
		Examiner Name	Unknown
		Attorney Docket Number	WEAT/0372
Sheet	23	of	29
		Submission Date	

U.S. Patent Documents						
*Examiner Initial	Document Number	Issue Date	Applicant(s) Name	Class	Subcl ass	Filing Date if Appropriate
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Examiner				Date Considered		

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant.

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**SUPPLEMENTAL  
INFORMATION DISCLOSURE  
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(Use as many sheets as necessary)

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Application Number	10/788,976
Filing Date	February 27, 2004
First Named Inventor	McKay, et al
Group Art Unit	3672
Examiner Name	Unknown
Attorney Docket Number	WEAT/0372

Submission Date

**Foreign Patent Documents**

*Examiner Initial		Document Number	Date	Country	Class	Subclass	Translation	
							YES	NO
B74		WO 02/086287	10-31-2002	WIPO	E21B	47/01	<input type="checkbox"/>	<input checked="" type="checkbox"/>
B75		WO 01/94739	12-13-2001	WIPO	E21B	7/20	<input type="checkbox"/>	<input checked="" type="checkbox"/>
B76		WO 01/94738	12-13-2001	WIPO	E21B	7/20	<input type="checkbox"/>	<input checked="" type="checkbox"/>
B77		WO 01/81708	11-01-2001	WIPO	E21B	10/32	<input type="checkbox"/>	<input checked="" type="checkbox"/>
B78		WO 01/79650	10-25-2001	WIPO	E21B	10/60	<input type="checkbox"/>	<input checked="" type="checkbox"/>
B79		WO 01/46550	06-28-2001	WIPO	E21B	7/20	<input type="checkbox"/>	<input checked="" type="checkbox"/>
B80		WO 01/12946	02-22-2001	WIPO	E21B	19/00	<input type="checkbox"/>	<input checked="" type="checkbox"/>
B81		WO 00/50730	08-31-2000	WIPO	E21B	10/66	<input type="checkbox"/>	<input checked="" type="checkbox"/>
B82		WO 00/28188	05-18-2000	WIPO	E21B	7/06	<input type="checkbox"/>	<input checked="" type="checkbox"/>
B83		WO 00/37771	06-29-2000	WIPO	E21B	43/10	<input type="checkbox"/>	<input checked="" type="checkbox"/>
B84		WO 00/11311	03-02-2000	WIPO	E21B	19/16	<input type="checkbox"/>	<input checked="" type="checkbox"/>
B85		WO 00/11310	03-02-2000	WIPO	E21B	19/16	<input type="checkbox"/>	<input checked="" type="checkbox"/>
B86		WO 00/11309	03-02-2000	WIPO	E21B	19/16	<input type="checkbox"/>	<input checked="" type="checkbox"/>
B87		WO 00/05483	02-03-2000	WIPO	E21B	19/16	<input type="checkbox"/>	<input checked="" type="checkbox"/>
B88		WO 98/55730	12-10-1998	WIPO	E21B	23/00	<input type="checkbox"/>	<input checked="" type="checkbox"/>
B89		WO 97/08418	03-06-1997	WIPO	E21B	4/18	<input type="checkbox"/>	<input checked="" type="checkbox"/>
B90		GB 2 357 101	06-13-2001	UK	E21B	7/06	<input type="checkbox"/>	<input checked="" type="checkbox"/>
B91		EP 1 050 661	11-08-2000	EP	E21B	7/18	<input type="checkbox"/>	<input checked="" type="checkbox"/>
B92		EP 0 571 045	08-19-1998	EP	E21B	7/06	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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B94		SU 1618870	01-07-1991	Russia	E21B	33/14	<input type="checkbox"/>	<input checked="" type="checkbox"/>
B95		WO 96/28635	09-19-1996	WIPO	E21B	17/14	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Examiner

Date Considered

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Substitute for form 1449A/PTO			Application Number	10/788,976
<b>SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>			Filing Date	February 27, 2004
(Use as many sheets as necessary)			First Named Inventor	McKay, et al
			Group Art Unit	3672
			Examiner Name	Unknown
			Attorney Docket Number	WEAT/0372
Sheet	25	of	29	Submission Date

**Foreign Patent Documents**

*Examiner Initial		Document Number	Date	Country	Class	Subclass	Translation	
							YES	NO
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**SUPPLEMENTAL  
INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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Sheet 26

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Application Number	10/788,976
Filing Date	February 27, 2004
First Named Inventor	McKay, et al
Group Art Unit	3672
Examiner Name	Unknown
Attorney Docket Number	WEAT/0372
Submission Date	

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## SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Application Number	10/788,976
Filing Date	February 27, 2004
First Named Inventor	McKay, et al
Group Art Unit	3672
Examiner Name	Unknown
Attorney Docket Number	WEAT/0372

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Filing Date	February 27, 2004
First Named Inventor	McKay, et al
Group Art Unit	3672
Examiner Name	Unknown
Attorney Docket Number	WEAT/0372

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Attorney Docket Number	WEAT/0372

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C65	Tessari, et al., "Retrievable Tools Provide Flexibility for Casing Drilling," Paper No. WOCD-0306-01, World Oil Casing Drilling Technical Conference, 2003, pp. 1-11
C66	Evans, et al., "Development And Testing Of An Economical Casing Connection For Use In Drilling Operations," paper WOCD-0306-03, World Oil Casing Drilling Technical Conference, March 6-7, 2003, pp. 1-10
C67	International Search Report dated July 31, 2001, for application serial number PCT/GB01/01506.
C68	PCT Search Report, International Application No. PCT/US2004/005983, dated June 15, 2004
C69	PCT Search Report dated July 19, 2001, for application serial number PCT/GB01/01512

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Date Considered

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DOCKET No.: West 0372

SERIAL No.: 10788,974

FILED: February 27, 2004

APPLICANT: Weatherford

INVENTOR: McKay et al.

The Patent & Trademark Office acknowledges and has stamped  
hereon the date of receipt of the items checked below which were  
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<input type="checkbox"/> APPLICATION PAPERS - OATH/DECLARATION	<input type="checkbox"/> TOTAL CLS. _____ IND. CLS. _____ FEE \$ _____
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Jan 1, 1988

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:  
David McKay et al  
Serial No.: 10/788,976  
Confirmation No.: 6867  
Filed: February 27, 2004  
For: DRILL SHOE

MAIL STOP AMENDMENT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Group Art Unit: 3672

Examiner: Unknown

Customer No.: 36735

**CERTIFICATE OF MAILING**  
37 CFR 1.8

I hereby certify that this correspondence is being deposited with sufficient postage as first class mail in an envelope addressed to Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on 14 January 2005.

Kya D. Cummings *Kya D. Cummings*  
Typed Name Signature

Dear Sir:

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

The Applicants and the Attorney who signs below on the basis of the information supplied by the inventor and the information in his file, submit herewith patents, publications, or other information of which they are aware, which may be material to the examination of this application and in respect of which there may be a duty to disclose in accordance with 37 CFR § 1.56.

While the information submitted in this Supplemental Information Disclosure Statement may be material pursuant to 37 CFR § 1.56, it is not intended to constitute an admission that any patent, publication, or other information referred to therein is prior art for this invention unless specifically designated as such.

In accordance with 37 CFR § 1.97, this Supplemental Information Disclosure Statement is not to be construed as a representation that a search has been made or that no other possibly material information as defined under 37 CFR § 1.56(a) exists.

The patents and/or publications submitted herewith are set forth on the attached Form PTO-1449.

If the sum of \$180.00 is due under 37 CFR § 1.17(p) pursuant to § 1.97, the Commissioner is hereby authorized to charge this fee, and any other fee necessary to make this submission timely, to the Deposit Account No. 20-0782/WEAT/0372/KDC.

Respectfully submitted,

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INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

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Sheet

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of

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Application Number	10/788,976
Filing Date	February 27, 2004
First Named Inventor	David McKay et al
Group Art Unit	3672
Examiner Name	Unknown
Attorney Docket Number	WEAT/0372
Customer No.	36735
Submission Date	

## U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
A1	US-2,167,338		07-25-1939	Murcell	
A2	US-2,228,503		01-14-1941	Boyd, et al.	
A3	US-2,370,832		03-06-1945	Baker	
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A10	US-3,054,100		09-11-1962	Jones	
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A12	US-3,111,179		11-19-1963	Albers, et al.	
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A17	US-3,419,079		12-31-1968	Current	
A18	US-3,548,936		12-22-1970	Kilgore, et al.	

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Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Number-Kind Code <sup>2</sup> (if known)				
B1	CA 2 335 192		11-30-2001	Kozak		
B2	DE 3 523 221		02-01-1987	Svetozar		
B3	DE 3 918 132		12-14-1989	Eriksson		
B4	EP 0 474 481		03-11-1992	Moody		
B5	EP 0 087 373		08-31-1983	Plaquin		

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U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

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Application Number 10/788,976

**Filing Date** February 27, 2004

First Named Inventor: David McKay et al.

Group Art Unit

Examiner Name \_\_\_\_\_

Attorney Docket Number: 1WEAT/0

8.1.1.11.000000

## U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
	A19	US-3,552,507	01-05-1971	Brown	
	A20	US-3,552,848	01-05-1971	Van Wagner	
	A21	US-3,566,505	03-02-1971	Martin	
	A22	US-3,602,302	08-31-1971	Kluth	
	A23	US-3,606,664	09-21-1971	Weiner	
	A24	US-3,635,105	01-18-1972	Dickmann, et al.	
	A25	US-3,680,412	08-01-1972	Mayer, et al.	
	A26	US-3,691,825	09-19-1972	Dyer	
	A27	US-3,696,332	10-03-1972	Dickson, Jr., et al.	
	A28	US-3,776,320	12-04-1973	Brown	
	A29	US-3,776,991	12-04-1973	Marcus	
	A30	US-3,848,684	11-19-1974	West	
	A31	US-3,857,450	12-31-1974	Guier	
	A32	US-3,913,687	10-21-1975	Gyongyosi, et al.	
	A33	US-4,054,332	10-18-1977	Bryan, Jr.	
	A34	US-4,095,865	06-20-1978	Denison, et al.	
	A35	US-4,127,927	12-05-1978	Hauk, et al.	
	A36	US-4,194,383	03-25-1980	Huzjak	

## FOREIGN PATENT DOCUMENTS

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		Number-Kind Code <sup>2</sup> (if known)				
	B6	EP 0 162 000	11-21-1985	Hamilton		
	B7	EP 0 171 144	02-12-1986	Stringfellow, et al.		
	B8	EP 0 285 386	10-05-1988	Haney		
	B9	EP 0 426 123	05-08-1991	Reis, et al.		
	B10	EP 0 525 247	02-03-1993	Willis		

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Application Number	10/788,976
Filing Date	February 27, 2004
First Named Inventor	David McKay et al
Group Art Unit	3672
Examiner Name	Unknown
Attorney Docket Number	WEAT/0372
Customer No.	36735
Submission Date	

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		Number-Kind Code <sup>2</sup> (if known)			
	A37	US-4,227,197	10-07-1980	Nimmo, et al.	
	A38	US-4,241,878	12-30-1980	Underwood	
	A39	US-4,277,197	07-07-1981	Bingham	
	A40	US-4,280,380	07-28-1981	Eshghy	
	A41	US-4,311,195	01-19-1982	Mullins, II	
	A42	US-4,392,534	07-12-1983	Milda	
	A43	US-4,407,378	10-04-1983	Thomas	
	A44	US-4,427,063	01-24-1984	Skinner	
	A45	US-4,437,363	03-20-1984	Haynes	
	A46	US-4,445,734	05-01-1984	Cunningham	
	A47	US-4,449,596	05-22-1984	Boadjieff	
	A48	US-4,494,424	01-22-1985	Bates	
	A49	US-4,529,045	07-16-1985	Boadjieff, et al.	
	A50	US-4,570,706	02-18-1986	Pugnet	
	A51	US-4,582,125	06-03-1986	Skene	
	A52	US-4,593,773	06-10-1986	Skele	
	A53	US-4,605,268	08-12-1986	Meador	
	A54	US-4,625,796	12-02-1986	Boadjieff	

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		Number-Kind Code <sup>2</sup> (if known)				
	B11	EP 0 589 823	03-03-1994	Busink, et al.		
	B12	EP 0 659 975	06-28-1995	Nagaoka, et al.		
	B13	EP 0 790 386	08-20-1997	Newton, et al.		
	B14	EP 0 881 354	04-24-1998	Vercaemem, et al.		
	B15	EP 0 962 384	12-08-1999	Poldervaart		

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STATEMENT BY APPLICANT

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Sheet

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of

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Application Number	10/788,976
Filing Date	February 27, 2004
First Named Inventor	David McKay et al
Group Art Unit	3672
Examiner Name	Unknown
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		Number-Kind Code <sup>2</sup> (if known)			
A55	US-4,646,827		03-03-1987	Cobb	
A56	US-4,649,777		03-17-1987	Buck	
A57	US-4,667,752		05-26-1987	Berry, et al.	
A58	US-4,676,312		06-30-1987	Mosling, et al.	
A59	US-4,683,962		08-04-1987	True	
A60	US-4,691,587		09-08-1987	Farrand, et al.	
A61	US-4,709,599		12-01-1987	Buck	
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A63	US-4,738,145		04-19-1988	Vincent, et al.	
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A65	US-4,759,239		07-26-1988	Hamilton, et al.	
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A69	US-4,781,359		11-01-1988	Matus	
A70	US-4,788,544		11-29-1988	Howard	
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		Number-Kind Code <sup>2</sup> (if known)				
B16	EP 1 256 691		11-13-2002	Hawkins, et al.		
B17	FR 2 841 293		12-26-2003	Bouygues Offshore		
B18	GB 2 115 940		09-14-1983	Plaquin		
B19	GB 2 224 481		09-05-1990	Voelen		
B20	GB 2 275 486		04-15-1993	Elane, et al.		

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		Number-Kind Code <sup>2</sup> (if known)			
	A73	US-4,800,968	01-31-1989	Shaw, et al.	
	A74	US-4,806,928	02-21-1989	Veneruso	
	A75	US-4,813,493	03-21-1989	Shaw, et al.	
	A76	US-4,836,064	06-06-1989	Slator	
	A77	US-4,867,236	09-19-1989	Haney, et al.	
	A78	US-4,878,546	11-07-1989	Shaw, et al.	
	A79	US-4,901,069	02-13-1990	Veneruso	
	A80	US-4,936,382	06-26-1990	Thomas	
	A81	US-4,962,579	10-16-1990	Moyer, et al.	
	A82	US-5,009,265	04-23-1991	Bailey, et al.	
	A83	US-5,036,927	08-06-1991	Willis	
	A84	US-5,141,063	08-25-1992	Quesenbury	
	A85	US-5,176,518	01-05-1993	Hordijk, et al.	
	A86	US-5,191,932	03-09-1993	Seefried, et al.	
	A87	US-5,224,540	07-06-1993	Streich, et al.	
	A88	US-5,233,742	08-10-1993	Gray, et al.	
	A89	US-5,245,265	09-14-1993	Clay	
	A90	US-5,251,709	10-12-1993	Richardson	

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		Number-Kind Code <sup>2</sup> (if known)				
	B21	GB 2 294 715	08-05-1996	Tibbitts		
	B22	GB 2 349 401	11-01-2000	Roberts, et al.		
	B23	GB 2 352 747	07-02-2001	Davis, et al.		
	B24	GB 2 357 530	06-27-2001	Schulze-Beckinghausen		
	B25	GB 2 372 765	09-04-2002	Head		

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A91	US-5,271,468		12-21-1993	Streich, et al.	
A92	US-5,305,839		04-26-1994	Kalsi, et al.	
A93	US-5,332,043		07-26-1994	Ferguson	
A94	US-5,351,767		10-04-1994	Stogner, et al.	
A95	US-5,388,651		02-14-1995	Berry	
A96	US-5,394,823		03-07-1995	Lenze	
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A112	US-5,542,472		08-06-1996	Pringle, et al.	
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A114	US-5,553,672		09-10-1996	Smith, Jr., et al.	
A115	US-5,577,566		11-26-1996	Albright, et al.	
A116	US-5,645,131		07-08-1997	Trevisani	
A117	US-5,706,894		01-13-1998	Hawkins, III	
A118	US-5,791,410		08-11-1998	Castille, et al.	

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B26	GB 709 365		05-19-1954	Standard Oil Development		
B27	GB 716 761		10-13-1954	Standard Oil Development		
B28	GB 881 358		11-01-1961	Kammerer, et al.		
B29	GB 2 350 137		11-22-2000	Baugh, et al.		
B30	RU 2 079 633		05-20-1997	Abdrakhmanov		

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A119	US-5,803,191		09-08-1998	Mackintosh	
A120	US-5,813,456		09-29-1998	Milner, et al.	
A121	US-5,836,395		11-17-1998	Budde	
A122	US-5,839,515		11-24-1998	Yuan, et al.	
A123	US-5,850,877		12-22-1998	Albright, et al.	
A124	US-5,907,664		05-25-1999	Wang, et al.	
A125	US-5,909,768		06-08-1999	Castille, et al.	
A126	US-5,971,086		10-26-1999	Bee, et al.	
A127	US-5,984,007		11-16-1999	Yuan, et al.	
A128	US-5,988,273		11-23-1999	Monjure, et al.	
A129	US-6,056,060		05-02-2000	Abrahamsen, et al.	
A130	US-6,070,500		06-06-2000	Olask, et al.	
A131	US-6,079,498		06-27-2000	Lima, et al.	
A132	US-6,079,509		06-27-2000	Bee, et al.	
A133	US-6,142,545		11-07-2000	Penman, et al.	
A134	US-6,161,617		12-15-2000	Gjedbo	
A135	US-6,173,777		01-16-2001	Mullins	
A136	US-6,199,641		03-13-2001	Downie, et al.	

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B31	WO 00/39429		07-06-2000	Pietras		
B32	WO 00/39430		07-06-2000	Pietras		
B33	WO 00/46484		08-10-2000	Van Buren, et al.		
B34	WO 00/66879		11-09-2000	Hawkins, et al.		
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Examiner

Date Considered

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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet

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Application Number	10/788,976
Filing Date	February 27, 2004
First Named Inventor	David McKay et al
Group Art Unit	3672
Examiner Name	Unknown
Attorney Docket Number	WEAT/0372
Customer No.	36735

Submission Date

### U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
A137	US-6,223,823		05-01-2001	Head	
A138	US-6,227,587		05-08-2001	Terral	
A139	US-6,275,938		08-14-2001	Bond, et al.	
A140	US-6,290,432		09-18-2001	Exley, et al.	
A141	US-6,305,469		10-23-2001	Coenen, et al.	
A142	US-6,309,002		10-30-2001	Bouligny	
A143	US-6,349,764		02-26-2002	Adams, et al.	
A144	US-6,360,633		03-26-2002	Pietras	
A145	US-6,367,566		04-09-2002	Hill	
A146	US-6,374,506		04-23-1993	Clay	
A147	US-6,392,317		05-21-2002	Hall, et al.	
A148	US-6,429,784		08-06-2002	Beique, et al.	
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A151	US-6,622,796		09-23-2003	Pietras	
A152	US-6,648,075		11-18-2003	Badrak, et al.	
A153	US-6,688,394		02-10-2004	Ayling	
A154	US-6,691,801		02-17-2004	Juhasz, et al.	

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Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Number-Kind Code <sup>2</sup> (if known)				
B36	WO 02/44601		06-06-2002	Appleford, et al.		
B37	WO 03/087525		10-23-2003	Vincent, et al.		
B38	WO 93/07358		04-15-1993	Eiane, et al.		
B39	WO 96/18799		06-20-1996	Stokka		
B40	WO 98/05844		02-12-1998	Stokka		

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Sheet

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		Number-Kind Code <sup>2</sup> (if known)			
A155	US-6,698,595		03-02-2004	Norell, et al.	
A156	US-6,725,938		04-27-2004	Pietras	
A157	US-6,742,596		06-01-2004	Haugen	
A158	US-6,742,606		06-01-2004	Metcalfe, et al.	
A159	US-2002/0070842		04-17-2003	Balley, et al.	
A160	US-2002/0108748		08-15-2002	Keyes	
A161	US-2003/0029641		02-13-2003	Meehan	
A162	US-2003/0056947		03-27-2003	Cameron	
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A165	US-2003/0173090		09-18-2003	Cook, et al.	
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A169	US-2004/0011534		01-22-2004	Simonds, et al.	
A170	US-2004/0060697		04-01-2004	Tilton, et al.	
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A172	US-2004/0079533		04-29-2004	Buytaert, et al.	

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		Number-Kind Code <sup>2</sup> (if known)				
B41	WO 98/11322		03-19-1998	Gjedebø		
B42	WO 98/32948		07-30-1998	Pietras		
B43	WO 99/35368		07-15-1999	Lohbeck, et al.		
B44	WO 99/41485		08-19-1999	Pietras		
B45	WO 99/58810		11-18-1999	Abrahamsen, et al.		

## Examiner

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Sheet

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Application Number	10/788,976
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A173	US-2004/0108142		06-10-2004	Vail, III	
A174	US-2004/0112646		06-17-2004	Vail	
A175	US-2004/0118613		06-24-2004	Vail	
A176	US-2004/0123984		07-01-2004	Vail	
A177	US-2004/0124015		07-01-2004	Vaille, et al.	
A178	US-2004/0129456		07-08-2004	Vail	
A179	US-2004/0140128		07-22-2004	Vail	
A180	US-2004/0173358		09-09-2004	Haugen	
A181	US-2004/0216925		11-04-2004	Metcalfe, et al.	
A182	US-2004/0112646		06-17-2004	Vail	
A183	US-Re 34,063		09-15-1992	Vincent, et al.	
A184	US-				
A185	US-				
A186	US-				
A187	US-				
A188	US-				
A189	US-				
A190	US-				

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Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>5</sup>
B46	FR 2741907		06-06-1997	Leighton		
B47						
B48						
B49						
B50						

Examiner

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INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

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12

Application Number	10/788,976
Filing Date	February 27, 2004
First Named Inventor	David McKay et al
Group Art Unit	3672
Examiner Name	Unknown
Attorney Docket Number	WEAT/0372
Customer No.	36735
Submission Date	

## NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
		DETLEF HAHN, FRIEDHELM MAKOHL, and LARRY WATKINS, Casing-While Drilling System Reduces Hole Collapse Risks, Offshore, Pages 54, 56, and 59, February 1998	
		YAKOV A. GELFGAT, MIKHAIL Y. GELFGAT and YURI S. LOPATIN, Retractable Drill Bit Technology – Drilling Without Pulling Out Drillpipe, Advanced Drilling Solutions Lessons From the FSU; June 2003; Vol. 2, pps. 351-464	
		TOMMY WARREN, SPE, BRUCE HOUTCHENS, SPE, GARRET MADELL, SPE, Directional Drilling With Casing, SPE/IADC 79914, Tesco Corporation, SPE/IADC Drilling Conference 2003	
		LaFleur Petroleum Services, Inc., "Autoseal Circulating Head," Engineering Manufacturing, 1992, 11 Pages	
		Valves Wellhead Equipment Safety Systems, W-K-M Division, ACF Industries, Catalog 80, 1980, 5 Pages	
		Canrig Top Drive Drilling Systems, Harts Petroleum Engineer International, February 1997, 2 Pages	
		The Original Portable Top Drive Drilling System, TESCO Drilling Technology, 1997	
		MIKE KILLALEA, Portable Top Drives: What's Driving The Market?, IADC, Drilling Contractor, September 1994, 4 Pages	
		500 or 650 ECIS Top Drive, Advanced Permanent Magnet Motor Technology, TESCO Drilling Technology, April 1998, 2 Pages	

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Substitute for form 1449B/PTO		Application Number	10/788,976
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>		Filing Date	February 27, 2004
<i>(Use as many sheets as necessary)</i>		First Named Inventor	David McKay et al
		Group Art Unit	3672
		Examiner Name	Unknown
		Attorney Docket Number	WEAT/0372
		Customer No.	36735
Sheet	12	of	12
		Submission Date	

## NON PATENT LITERATURE DOCUMENTS

**Examiner**

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DOCKET No.: Wheat 10342

SERIAL No.: 101788,9716

FILED: February 27, 2004

APPLICANT: Weatherford Lamb

INVENTOR: Diana McKay et al

The Patent & Trademark Office acknowledges and has stamped hereon the date of receipt of the items checked below which were mailed 1/14/05

- AFFIDAVIT
- AMENDMENT
- APPLICATION PAPERS - OATH/DECLARATION
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- SHEET(S) OF DRAWING(S) FORMAL/INFORMAL
- ASSIGNMENT-RECORDAL FEE \$
- BRIEF
- APPEAL NOTICE
- DECLARATION
- ISSUE FEE - BASE/BALANCE
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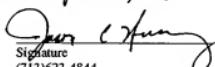
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: §  
David McKay, et al. §  
§ Group Art Unit: 3672  
Serial No.: 10/788,976 §  
§  
Confirmation No.: 6867 §  
§  
Filed: February 27, 2004 §  
§ Examiner: Frank Tsay  
For: DRILL SHOE §  
§ Customer No.: 36735  
§

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Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

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Jason C. Huang Typed Name 46,222 Reg. No. if applicable	 Signature (713)623-4844 Telephone Number

Dear Sir:

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

The Applicants, and the Attorney who signs below on the basis of the information supplied by the inventor and the information in his file, submit herewith patents, publications, or other information of which they are aware, which may be material to the examination of this application and in respect of which there may be a duty to disclose in accordance with 37 CFR § 1.56.

While the information submitted in this Supplemental Information Disclosure Statement may be material pursuant to 37 CFR § 1.56, it is not intended to constitute an admission that any patent, publication, or other information referred to therein is prior art for this invention unless specifically designated as such.

In accordance with 37 CFR § 1.97, this Supplemental Information Disclosure Statement is not to be construed as a representation that a search has been made or that no other possibly material information as defined under 37 CFR § 1.56(a) exists.

The patents and/or publications submitted herewith are set forth on the attached Form PTO-1449.

The Commissioner is hereby authorized to charge the sum of \$180.00 due under 37 CFR § 1.17(p) pursuant to § 1.97, and any other fee necessary to make this submission timely, to the Deposit Account No. 20-0782/WEAT/0372/JCH.

Respectfully submitted,



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STATEMENT BY APPLICANT

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Sheet

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## Complete if Known

Application Number	10/788,976
Filing Date	February 27, 2004
First Named Inventor	David McKay
Art Unit	3672
Examiner Name	Frank Tsay
Attorney Docket Number	WEAT/0372

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		US-6,857,487	02-22-2005	Galloway	
		US-6,857,486	02-22-2005	Chitwood, et al.	
		US-6,854,533	02-15-2005	Galloway	
		US-6,848,517	02-01-2005	Wardley	
		US-6,840,322	01-11-2005	Haynes	
		US-6,752,211	06-22-2004	Dewey, et al.	
		US-6,745,834	06-08-2004	Davis, et al.	
		US-6,725,924	04-27-2004	Davidson, et al.	
		US-6,708,769	03-23-2004	Haugen, et al.	
		US-6,668,684	12-30-2003	Allen, et al.	
		US-6,666,274	12-23-2003	Hughes	
		US-6,655,460	12-02-2003	Bailey, et al.	
		US-6,651,737	11-25-2003	Bouligny	
		US-6,585,040	07-01-2003	Hanton, et al.	
		US-6,536,522	03-25-2003	Birchhead, et al.	
		US-6,464,011	10-15-2002	Tubel	
		US-6,458,471	10-01-2002	Lovato, et al.	
		US-6,433,241	09-03-2002	Juhasz, et al.	
		US-6,378,633	04-30-2002	Moore	
		US-6,371,203	04-16-2002	Frank, et al.	

## FOREIGN PATENT DOCUMENTS

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		EP 0479583	04-08-1992	Gonzalez, et al.		
		EP 1148206	10-24-2001	Scott, et al.		
		GB 2381809	05-14-2003	Ohmer		
		GB 2347445	09-06-2000	Metcalfe, et al.		
		WO 99/24689	05-20-1999	Collins		
		WO 99/04135	01-28-1999	Collins		
		WO 97/05360	02-13-1997	Collins		
		WO 03/074836	09-12-2003	Philip		

Examiner Signature	Date Considered
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<i>Complete if Known</i>	
Application Number	10/788,976
Filing Date	February 27, 2004
First Named Inventor	David McKay, et al.
Art Unit	3672
Examiner Name	Frank Tsay
Attorney Docket Number	WEAT/0372

## U.S. PATENT DOCUMENTS

U.S. PATENT DOCUMENTS				
Examiner Initials *	Cite No. <sup>1</sup>	Document Number Number - Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		US-6,237,684	05-29-2001	Bouigny, Jr., et al.
		US-6,217,258	04-17-2001	Yamamoto, et al.
		US-6,012,529	01-11-2000	Mikolajczyk, et al.
		US-5,878,815	03-09-1999	Collins
		US-5,348,095	09-20-1994	Worrall, et al.
		US-5,069,297	12-03-1991	Krueger
		US-4,962,819	10-16-1990	Bailey, et al.
		US-3,760,894	09-25-1973	Pitiller
		US-2,978,047	04-04-1961	DeVaan
		US-2005-0000691	01-06-2005	Giroux, et al.
		US-2004-0262013	12-30-2004	Tilton, et al.
		US-2004-0251055	12-16-2004	Shahin, et al.
		US-2004-0251050	12-16-2004	Shahin, et al.
		US-2004-0251025	12-16-2004	Giroux, et al.
		US-2004-0245020	12-09-2004	Giroux, et al.
		US-2004-0244992	12-09-2004	Carter, et al.
		US-2004-0226751	11-18-2004	McKay, et al.
		US-2004-0221997	11-11-2004	Giroux, et al.
		US-2004-0216924	11-04-2004	Pietras, et al.
		US-2004-0216892	11-04-2004	Giroux, et al.
		US-2004-0016575	01-29-2004	Shahin, et al.

#### FOREIGN PATENT DOCUMENTS

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DOCKET No.: WEAT/0372  
SERIAL No.: 10/788, 976  
FILED: February 27, 2004  
APPLICANT: Weatherford / Laumb, Inc.  
INVENTOR: David McKay, et al.

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U.S. PATENT AND TRADEMARK OFFICE

Sheet 2 of 29

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. Number	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number/Kind Code <sup>2</sup> (if known)			
	A19	US-5887668	03/30/1999	Haugen et al.	
	A20	US-5887655	03/30/1999	Haugen, et al.	
	A21	US-5836409	11/17/1998	Vail, III	
	A22	US-5826651	10/27/1998	Lee, et al.	
	A23	US-5803666	09/06/1998	Keller	
	A24	US-5787978	08/04/1998	Carter, et al.	
	A25	US-5785132	07/28/1998	Richardson, et al.	
	A26	US-5717334	02/10/1998	Vail, III, et al.	
	A27	US-5706905	01/13/1998	Barr	
	A28	US-5615747	04/01/1997	Vail, III	
	A29	US-5575344	11/19/1996	Wireman	
	A30	US-5560440	10/01/1996	Tibbitts	
	A31	US-5553679	09/10/1996	Thorp	
	A32	US-5546317	10/01/1995	Hood, III, et al.	
	A33	US-5526880	06/18/1996	Jordan, Jr., et al.	
	A34	US-5520255	05/28/1996	Barr et al.	
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	A37	US-5435400	07/25/1995	Smith	
	A38	US-5402856	04/04/1995	Warren, et al.	

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Examiner Initials*	Cite No. Number	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>3</sup>
		Country Code <sup>4</sup> Number/Kind Code <sup>5</sup> (if known)				
	B6	EP 0 554 568	08/11/1993	Tibbitts, et al.		
	B7	EP 0 961 007	12/06/1999	Gano, et al.		
	B8	EP 1 006 260	05/07/2000	Fincher, et al.		
	B9	GB 2 335 217	09/15/1999	Desai		

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**SUPPLEMENTAL  
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STATEMENT BY APPLICANT**

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Application Number 10/788,970

**Filing Date** February 27, 2004

First Named Inventor McKay, et al

Group Art Unit

**Examiner Name**

Attorney Docket Number WEAT/0372

### Sheet

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**Submission Date**

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code* (if known)			
	A39	US-5361859	11/08/1994	Tibbitts	
	A40	US-5322127	06/21/1991	McNair et al.	
	A41	US-5318122	06/07/1994	Murray, et al.	
	A42	US5181571	01/27/1993	Mueller	
	A43	US-5109924	05/05/1992	Jurgens, et al.	
	A44	US-5052483	10/01/1991	Hudson	
	A45	US-4904119	02/27/1990	Legendre, et al.	
	A46	US-4848469	07/16/1989	Baugh et al.	
	A47	US-4836299	06/06/1989	Bodine	
	A48	US-4825947	05/02/1989	Mikolajczyk	
	A49	US-4699224	10/13/1987	Burton	
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	A51	US-4620600	11/04/1986	Persson	
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	A53	US-4595058	06/17/1986	Nations	
	A54	US-4515045	05/07/1985	Gnatchenko, et al.	
	A55	US-4489793	12/25/1984	Boren	
	A56	US-4483399	11/20/1984	Colgate	
	A57	US-4466498	08/21/1984	Bandwell	

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Examiner Initials <sup>1</sup>	Cite No. <sup>2</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>4</sup>
		Country Code <sup>3</sup> , Number <sup>4</sup> , Kind Code <sup>5</sup> (if known)				
	B10	GB 1 469 661	04/06/1977	Swobda, et al.		
	B11	GB 1 277 461	06/03/1972			
	B12	GB 1 448 304	09/02/1976	-		
	B13	GB 1 582 392	01/07/1981			

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Sheet 4

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Application Number	10/788,976
Filing Date	February 27, 2004
First Named Inventor	McKay, et al
Group Art Unit	3672
Examiner Name	Unknown <i>T. Seng</i>
Attorney Docket Number	WEAT/0372

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## U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	A58	US-4446745	05/08/1994	Stone, et al.	
	A59	US-4396076	08/02/1983	Inoue	
	A60	US-4396077	09/12/1981	Radtke	
	A61	US-4274778	08/23/1981	Pulnam, et al.	
	A62	US-4221269	09/09/1980	Hudson	
	A63	US-4189185	02/19/1980	Kammerer, Jr., et al.	
	A64	US-4186624	02/05/1990	Bonnius	
	A65	US-4100981	07/18/1978	Chaffin	
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	A67	US-3934660	01/27/1978	Nelson	
	A68	US-3901331	08/26/1975	Djurovic	
	A69	US-3785193	01/15/1974	Kinley et al.	
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	A72	US-3689190	08/13/1972	Sizer et al.	
	A73	US-3624760	11/30/1971	Bodine	
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	A75	US-3489220	01/13/1970	Kinley	
	A76	US3387893	06/11/1968	Hoover	

## FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>2</sup> -Number <sup>3</sup> -Kind Code <sup>4</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>5</sup>
	B14	GB 2 053 088	02/04/1981	Gebhart		
	B15	GB 2 201 912	09/14/1986	Dinsdale		
	B16	GB 2 313 860	02/10/1997	Lee		
	B17	GB 2 320 270	06/17/1998	Armell, et al.		
	B18	GB 2 333 542	07/28/1999	Kirk		

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Sheet

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Application Number

10/788,976

Filing Date

February 27, 2004

First Named Inventor

McKay, et al

Group Art Unit

3672

Examiner Name

Unknown *Tsay*

Attorney Docket Number

WEAT/0372

Submission Date

## U.S. PATENT DOCUMENTS

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	A77	US-3353599	11/21/1967	Swift	
	A78	US-3191680	06/29/1965	Vincent	
	A79	US-3191677	06/29/1965	Kinley	
	A80	US-3169592	02/26/1965	Kammerer	
	A81	US-3102599	09/03/1963	Hilburn	
	A82	US-3087546	04/30/1963	Wooley	
	A83	US-2805043	09/03/1957	Williams	
	A84	US-2765148	10/02/1956	Williams	
	A85	US-2764329	09/25/1956	Hampton	
	A86	US-2743087	04/24/1956	Layne, et al.	
	A87	US-2663073	12/22/1953	Bieber et al.	
	A88	US-2641444	06/09/1953	Moon	
	A89	US-2627891	02/10/1953	Clark	
	A90	US-2499630	03/07/1950	Clark	
	A91	US-2324679	07/20/1943	Cox	
	A92	US2295803	09/15/1940	O'Leary	
	A93	US-2216895	10/08/1940	Stokes	
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	B19	GB 2 365 463	02/20/2002	Giancarlo		
	B20	GB 2 382 361	05/28/2003	Hewson, et al.		
	B21	GB 2 216 926	10/16/1989	Haloid		
	B22	GB 2 346 223	09/27/2000	Cook, et al.		

Examiner *Frank L. G.* Date Considered *2/14/05*  
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Sheet

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of

29

Application Number	10/788,976
Filing Date	February 27, 2004
First Named Inventor	McKay, et al
Group Art Unit	3672
Examiner Name	Unknown
Attorney Docket Number	WEAT/0372

Submission Date

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	A95	US-2049450	08/04/1936	Johnson	
	A96	US-2017451	10/15/1935	Wickersham	
	A97	US-1981525	11/20/1934	Price	
	A98	US-1880218	10/04/1932	Simmons	
	A99	US-1342424	06/08/1920	Cotten	
	A100	US-1301285	04/22/1919	Leonard	
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	A111	US-5833002	11/10/1998	Holcombe	
	A112	US-5615747	04/01/1997	Vall, III	
	A113	US-5375668	12/27/1994	Hallundbaek	
	A114	US-5197553	03/30/1993	Letromo	
	A115	US-4962822	01/16/1990	Pascale	
	A116	US-4960173	10/02/1990	Cognevich, et al.	
	A117	US-4651837	03/24/1987	Mayfield	
	A118	US-3603411	09/07/1971	Link	
	A119	US-3552508	01/05/1971	Brown	

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Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> -Number-Kind Code <sup>4</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>5</sup>
	B23	GB 540 027	10/02/1941			
	B24	GB 7 928 86	04/12/1958			
	B25	GB 8 388 33	06/22/1960			
	B26	GB 9 977 21	07/07/1965	Garnier, et al.		

Examiner

Date Considered

08/11/2005

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SUPPLEMENTAL  
INFORMATION DISCLOSURE  
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Application Number	10/788,976
Filing Date	February 27, 2004
First Named Inventor	McKay, et al
Group Art Unit	3672
Examiner Name	Unknown <i>[Signature]</i>
Attorney Docket Number	WEAT/0372

Submission Date

## FOREIGN PATENT DOCUMENTS

Examiner Initials	Cits No.	Foreign Patent Document Country Code <sup>a</sup> Number <sup>b</sup> Kind Code <sup>c</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>d</sup>
	B27	USSR 112631	01/10/1956	Barshai, et al.		
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Examiner

*Examiner's Signature*

Date Considered

*2/14/05*

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Application Number	10/788,976
Filing Date	February 27, 2004
First Named Inventor	McKay, et al
Group Art Unit	3672
Examiner Name	Unknown <i>FC</i>
Attorney Docket Number	WEAT/0372
Submission Date	

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Examiner Initial	Document Number	Issue Date	Applicant(s) Name	Class	Subclass	Filing Date If Appropriate
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Examiner

*FC*

Date Considered

*2/14/05*

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**SUPPLEMENTAL  
INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 12

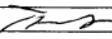
of 29

Application Number 10/788,976

Filing Date February 27, 2004

First Named Inventor McKay, et al

Group Art Unit 3672

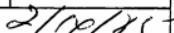
Examiner Name Unknown 

Attorney Docket Number WEAT/0372

Submission Date

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Examiner Initial	Document Number	Issue Date	Applicant(s) Name	Class	Subclass	Filing Date If Appropriate
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Examiner Date Considered 

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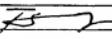
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# SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Application Number	10/788,976
Filing Date	February 27, 2004
First Named Inventor	McKay, et al
Group Art Unit	3672
Examiner Name	Unknown 
Attorney Docket Number	WEAT/0372
Submission Date	

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Examiner  Date Considered 

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# SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Application Number	10/788,976
Filing Date	February 27, 2004
First Named Inventor	McKay, et al
Group Art Unit	3672
Examiner Name	Unknown <i>TC</i>
Attorney Docket Number	WEAT/0372
Submission Date	

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Examiner *Fac 100* Date Considered *2/14/05*  
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Application Number	10/788,976
Filing Date	February 27, 2004
First Named Inventor	McKay, et al
Group Art Unit	3872
Examiner Name	Unknown <i>[Signature]</i>
Attorney Docket Number	WEAT/0372
Submission Date	

**U.S. Patent Documents**

*Examiner's Initial	Document Number	Issue Date	Applicant(s) Name	Class	Subclass	Filing Date If Appropriate
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Examiner *[Signature]* Date Considered *2/14/05*

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant.

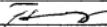
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**SUPPLEMENTAL  
INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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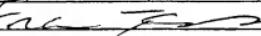
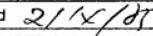
of 29

Application Number	10/788,976
Filing Date	February 27, 2004
First Named Inventor	McKay, et al
Group Art Unit	3672
Examiner Name	Unknown 
Attorney Docket Number	WEAT/0372

Submission Date

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*Examiner Initial	Document Number	Issue Date	Applicant(s) Name	Class	Subclass	Filing Date If Appropriate
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Examiner  Date Considered   
 \*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant.

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INFORMATION DISCLOSURE  
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Application Number	10/788,976
Filing Date	February 27, 2004
First Named Inventor	McKay, et al
Group Art Unit	3672
Examiner Name	Unknown <i>[Signature]</i>
Attorney Docket Number	WEAT/0372

Submission Date

**U.S. Patent Documents**

*Examiner Initial	Document Number	Issue Date	Applicant(s) Name	Class	Subclass	Filing Date If Appropriate
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Examiner *[Signature]*Date Considered *2/19/05*

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**SUPPLEMENTAL  
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STATEMENT BY APPLICANT**

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Submission Date

**U.S. Patent Documents**

*Examiner Initial	Document Number	Issue Date	Applicant(s) Name	Class	Subclass	Filing Date If Appropriate
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Examiner *Fac T* Date Considered *2/18/01*

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**SUPPLEMENTAL  
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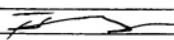
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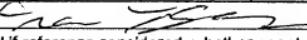
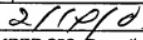
of

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Application Number	10/788,976
Filing Date	February 27, 2004
First Named Inventor	McKay, et al
Group Art Unit	3672
Examiner Name	Unknown 
Attorney Docket Number	WEAT/0372
Submission Date	

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*Examiner Initial	Document Number	Issue Date	Applicant(s) Name	Class	Subclass	Filing Date If Appropriate
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Examiner 	Date Considered 
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INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

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Sheet 20 of 29

Application Number	10/788,976
Filing Date	February 27, 2004
First Named Inventor	McKay, et al
Group Art Unit	3672
Examiner Name	Unknown <i>Frank</i>
Attorney Docket Number	WEAT/0372

Submission Date

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*Examiner Initial	Document Number	Issue Date	Applicant(s) Name	Class	Subcl ass	Filing Date If Appropriate
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Examiner *Frank* Date Considered *2/11/04*

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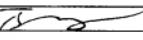
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**SUPPLEMENTAL  
INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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Sheet 22

of 29

Application Number	10/788,976
Filing Date	February 27, 2004
First Named Inventor	McKay, et al
Group Art Unit	3672
Examiner Name	Unknown 
Attorney Docket Number	WEAT/0372

Submission Date

**U.S. Patent Documents**

*Examiner Initial	Document Number	Issue Date	Applicant(s) Name	Class	Subcl ass	Filing Date If Appropriate
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Examiner  Date Considered 

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Sheet 24

of 29

Application Number	10/788,976
Filing Date	February 27, 2004
First Named Inventor	McKay, et al
Group Art Unit	3672
Examiner Name	UNKNOWN <i>[Signature]</i>
Attorney Docket Number	WEAT/0372

Submission Date

**Foreign Patent Documents**

*Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation	
						YES	NO
B74	WO 02/086287	10-31-2002	WIPO	E21B	47/01	<input type="checkbox"/>	<input checked="" type="checkbox"/>
B75	WO 01/94739	12-13-2001	WIPO	E21B	7/20	<input type="checkbox"/>	<input checked="" type="checkbox"/>
B76	WO 01/94738	12-13-2001	WIPO	E21B	7/20	<input type="checkbox"/>	<input checked="" type="checkbox"/>
B77	WO 01/81708	11-01-2001	WIPO	E21B	10/32	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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B79	WO 01/46550	06-28-2001	WIPO	E21B	7/20	<input type="checkbox"/>	<input checked="" type="checkbox"/>
B80	WO 01/12946	02-22-2001	WIPO	E21B	19/00	<input type="checkbox"/>	<input checked="" type="checkbox"/>
B81	WO 00/50730	08-31-2000	WIPO	E21B	10/66	<input type="checkbox"/>	<input checked="" type="checkbox"/>
B82	WO 00/28188	05-18-2000	WIPO	E21B	7/06	<input type="checkbox"/>	<input checked="" type="checkbox"/>
B83	WO 00/37771	06-29-2000	WIPO	E21B	43/10	<input type="checkbox"/>	<input checked="" type="checkbox"/>
B84	WO 00/11311	03-02-2000	WIPO	E21B	19/16	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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B88	WO 98/55730	12-10-1998	WIPO	E21B	23/00	<input type="checkbox"/>	<input checked="" type="checkbox"/>
B89	WO 97/08418	03-06-1997	WIPO	E21B	4/18	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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B91	EP 1 050 681	11-08-2000	EP	E21B	7/18	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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B93	GB 2 216 926	10-18-1989	UK	E21B	7/20	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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Examiner *Frances* Date Considered *2/10/04*

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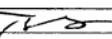
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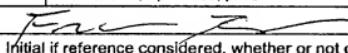
Sheet 26

of 29

Application Number	10/788,976
Filing Date	February 27, 2004
First Named Inventor	McKay, et al
Group Art Unit	3672
Examiner Name	Unknown 
Attorney Docket Number	WEAT/0372
Submission Date	

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STATEMENT BY APPLICANT**

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29

Application Number	10/788,976
Filing Date	February 27, 2004
First Named Inventor	McKay, et al
Group Art Unit	3672
Examiner Name	Unknown <i>[Signature]</i>
Attorney Docket Number	WEAT/0372
Submission Date	

**OTHER ART**

* Examiner Initial	Including Author, Title, Date, Pertinent Pages, Etc.
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Examiner

*[Signature]*

Date Considered

21/11/05

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# SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 28

of 29

Application Number	10/788,976
Filing Date	February 27, 2004
First Named Inventor	McKay, et al
Group Art Unit	3672
Examiner Name	Unknown <i>TS</i>
Attorney Docket Number	WEAT/0372

Submission Date

**OTHER ART**

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7	C50 Coronado, et al., "Development Of A One-Trip ECP Cement Inflation And Stage Cementing System For Open Hole Completions," IADC/SPE Paper 39345, IADC/SPE Drilling Conference, March 3-6, 1998, pp. 473-481
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1	C52 Quigley, "Coiled Tubing And Its Applications," SPE Short Course, Houston, Texas, October 3, 1999, 9 pages
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Examiner	<i>face</i>	Date Considered	<i>2/18/04/05</i>
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# SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 29

of 29

Application Number	10/788,976
Filing Date	February 27, 2004
First Named Inventor	McKay, et al
Group Art Unit	3672
Examiner Name	Unknown <i>[Signature]</i>
Attorney Docket Number	WEAT/0372
Submission Date	

**OTHER ART**

*Examiner Initials	Including Author, Title, Date, Pertinent Pages, Etc.
<i>[Signature]</i> C60	Fontenot, et al., "New Rig Design Enhances Casing Drilling Operations In Lobo Trend," paper WOCD-0306-04, World Oil Casing Drilling Technical Conference, March 6-7, 2003, pp. 1-13
<i>[Signature]</i> C61	McKay, et al., "New Developments In The Technology Of Drilling With Casing: Utilizing A Displaceable DrillShoe Tool," Paper WOCD-0306-05, World Oil Casing Drilling Technical Conference, March 6-7, 2003, pp. 1-11
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<i>[Signature]</i> C63	Vincent, et al., "Liner And Casing Drilling - Case Histories And Technology," Paper WOCD-0307-02, World Oil Casing Drilling Technical Conference, March 6-7, 2003, pp. 1-20
<i>[Signature]</i> C64	Maute, "Electrical Logging: State-of-the Art," The Log Analyst, May-June 1992, pp. 206-27
<i>[Signature]</i> C65	Tessari, et al., "Retrievable Tools Provide Flexibility for Casing Drilling," Paper No. WOCD-0306-01, World Oil Casing Drilling Technical Conference, 2003, pp. 1-11
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<i>[Signature]</i> C67	International Search Report dated July 31, 2001, for application serial number PCT/GB01/01506.
<i>[Signature]</i> C68	PCT Search Report, International Application No. PCT/US2004/005983, dated June 15, 2004
<i>[Signature]</i> C69	PCT Search Report dated July 19, 2001, for application serial number PCT/GB01/01512

Examiner

*[Signature]* Date Considered *3/18/04*

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STATEMENT BY APPLICANT

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Sheet 1

of 12

Application Number	10/788,976
Filing Date	February 27, 2004
First Named Inventor	David McKay et al
Group Art Unit	3672
Examiner Name	Unknown <i>T. S.</i>
Attorney Docket Number	WEAT/0372
Customer No.	36735
Submission Date	

## U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (# known)			
	A1	US-2,167,338	07-25-1939	Murcell	
	A2	US-2,228,503	01-14-1941	Boyd, et al.	
	A3	US-2,370,832	03-08-1945	Baker	
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	A5	US-2,414,719	01-21-1947	Cloud	
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Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>4</sup>
		Number-Kind Code <sup>2</sup> (# known)				
	B1	CA 2 335 192	11-30-2001	Kozak		
	B2	DE 3 523 221	02-01-1987	Svetozar		
	B3	DE 3 918 132	12-14-1989	Eriksson		
	B4	EP 0 474 481	03-11-1992	Moody		
	B5	EP 0 087 373	08-31-1983	Plaquin		

Examiner *Eric*Date Considered *2/18/01*

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INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Application Number	10/788,978
Filing Date	February 27, 2004
First Named Inventor	David McKay et al
Group Art Unit	3672
Examiner Name	Unknown
Attorney Docket Number	WEAT/0372
Customer No.	36735
Submission Date	

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## U.S. PATENT DOCUMENTS

Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
	A19	US-3,552,507	01-05-1971	Brown	
	A20	US-3,552,848	01-05-1971	Van Wagner	
	A21	US-3,568,505	03-02-1971	Martin	
	A22	US-3,602,302	08-31-1971	Kluth	
	A23	US-3,606,664	09-21-1971	Welner	
	A24	US-3,635,105	01-18-1972	Dickmann, et al.	
	A25	US-3,680,412	08-01-1972	Mayer, et al.	
	A26	US-3,691,825	09-19-1972	Dyer	
	A27	US-3,898,332	10-03-1972	Dickson, Jr., et al.	
	A28	US-3,776,320	12-04-1973	Brown	
	A29	US-3,776,991	12-04-1973	Marcus	
	A30	US-3,848,684	11-19-1974	West	
	A31	US-3,857,450	12-31-1974	Guler	
	A32	US-3,913,687	10-21-1975	Gyongyost, et al.	
	A33	US-4,054,332	10-18-1977	Bryan, Jr.	
	A34	US-4,095,885	06-20-1976	Denison, et al.	
	A35	US-4,127,927	12-05-1978	Hauk, et al.	
	A36	US-4,194,383	03-25-1980	Huzyak	

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Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>4</sup>
		Number-Kind Code <sup>2</sup> (if known)				
	B6	EP 0 162 000	11-21-1985	Hamilton		
	B7	EP 0 171 144	02-12-1986	Stringfellow, et al.		
	B8	EP 0 285 386	10-05-1988	Haney		
	B9	EP 0 426 123	05-08-1991	Reis, et al.		
	B10	EP 0 525 247	02-03-1993	Willis		

Examiner *Fac 320* Date Considered *10/10/05*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1. Applicant's unique citation designation number (optional). 2. See Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. 3. Enter Office that issued the document by the two-letter code (W = World, A = US). 4. Enter the year of the cited document. 5. Enter the name of the inventor or assignee for whom the document is cited. If the name is not in English, provide the name in English along with the name in the original language. 6. Enter the serial number of the patent document. 7. Enter the appropriate symbol as indicated for each document under WIPO Standard ST.16 if possible. 8. Applicant is to place a check mark here if English language Translation is attached.

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Application Number	10/788,976
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First Named Inventor	David McKay et al
Group Art Unit	3672
Examiner Name	Unknown
Attorney Docket Number	WEAT/0372
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		Number-Kind Code <sup>2</sup> (if known)			
	A37	US-4,227,197	10-07-1980	Nimmo, et al.	
	A38	US-4,241,878	12-30-1980	Underwood	
	A39	US-4,277,197	07-07-1981	Bingham	
	A40	US-4,280,380	07-28-1981	Eshghy	
	A41	US-4,311,195	01-19-1982	Mullins, II	
	A42	US-4,392,534	07-12-1983	Milda	
	A43	US-4,407,378	10-04-1983	Thomas	
	A44	US-4,427,063	01-24-1984	Skinner	
	A45	US-4,437,353	03-20-1984	Haynes	
	A48	US-4,445,734	05-01-1984	Cunningham	
	A47	US-4,449,596	05-22-1984	Boyadjieff	
	A48	US-4,494,424	01-22-1985	Bates	
	A49	US-4,529,045	07-16-1985	Boyadjieff, et al.	
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	A51	US-4,592,125	06-03-1986	Skene	
	A52	US-4,593,773	06-10-1986	Skele	
	A53	US-4,605,268	08-12-1986	Meador	
	A54	US-4,625,796	12-02-1986	Boyadjieff	

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Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>4</sup>
		Number-Kind Code <sup>2</sup> (if known)				
	B11	EP 0 589 823	03-03-1994	Busink, et al.		
	B12	EP 0 659 975	06-28-1995	Nagaoka, et al.		
	B13	EP 0 790 386	08-20-1997	Newton, et al.		
	B14	EP 0 881 354	04-24-1998	Vercaemien, et al.		
	B15	EP 0 962 384	12-08-1999	Poldervart		

Examiner Faizan Date Considered 2/16/05  
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Group Art Unit	3672
Examiner Name	Unknown <i>[Signature]</i>
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		Number-Kind Code <sup>2</sup> (if known)			
	A55	US-4,646,827	03-03-1987	Cobb	
	A56	US-4,649,777	03-17-1987	Buck	
	A57	US-4,667,752	05-26-1987	Berry, et al.	
	A58	US-4,676,312	06-30-1987	Mosing, et al.	
	A59	US-4,683,962	08-04-1987	True	
	A60	US-4,691,587	09-08-1987	Farrand, et al.	
	A61	US-4,709,599	12-01-1987	Buck	
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	A63	US-4,738,145	04-19-1988	Vincent, et al.	
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	A65	US-4,759,239	07-26-1988	Hamilton, et al.	
	A66	US-4,765,401	08-23-1988	Boyadjeff	
	A67	US-4,773,689	09-27-1988	Wolters	
	A68	US-4,775,009	10-04-1988	Wittisch, et al.	
	A69	US-4,781,359	11-01-1988	Matus	
	A70	US-4,788,544	11-29-1988	Howard	
	A71	US-4,791,997	12-20-1988	Krasnov	
	A72	US-4,793,422	12-27-1988	Krasnov	

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Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>4</sup>
		Number-Kind Code <sup>2</sup> (if known)				
	B16	EP 1 256 691	11-13-2002	Hawkins, et al.		
	B17	FR 2 841 293	12-26-2003	Bouygues Offshore		
	B16	GB 2 115 940	09-14-1983	Plaquin		
	B19	GB 2 224 481	09-05-1990	Voeten		
	B20	GB 2 275 486	04-15-1993	Elane, et al.		

Examiner *Elane*Date Considered *2/10/05*

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INFORMATION DISCLOSURE  
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Sheet 5

of 12

Application Number	10/788,976
Filing Date	February 27, 2004
First Named Inventor	David McKay et al
Group Art Unit	3672
Examiner Name	Unknown <i>[Signature]</i>
Attorney Docket Number	WEAT/0372
Customer No.	36735
Submission Date	

## U.S. PATENT DOCUMENTS

Examiner Initials* <i>[Signature]</i>	Cite No. <sup>1</sup> <i>[Signature]</i>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
	A73	US-4,800,968	01-31-1989	Shaw, et al.	
	A74	US-4,806,928	02-21-1989	Veneruso	
	A75	US-4,813,493	03-21-1989	Shaw, et al.	
	A76	US-4,836,064	06-06-1989	Slator	
	A77	US-4,867,236	09-19-1989	Haney, et al.	
	A78	US-4,878,546	11-07-1989	Shaw, et al.	
	A79	US-4,901,069	02-13-1990	Veneruso	
	A80	US-4,936,382	06-26-1990	Thomas	
	A81	US-4,962,579	10-16-1990	Moyer, et al.	
	A82	US-5,009,265	04-23-1991	Bailey, et al.	
	A83	US-5,036,927	08-06-1991	Willis	
	A84	US-5,141,063	08-25-1992	Quesenbury	
	A85	US-5,176,518	01-05-1993	Hordijk, et al.	
	A86	US-5,191,932	03-09-1993	Seefried, et al.	
	A87	US-5,224,540	07-06-1993	Strelich, et al.	
	A88	US-5,233,742	08-10-1993	Gray, et al.	
	A89	US-5,245,265	09-14-1993	Clay	
	A90	US-5,251,709	10-12-1993	Richardson	

## FOREIGN PATENT DOCUMENTS

Examiner Initials* <i>[Signature]</i>	Cite No. <sup>1</sup> <i>[Signature]</i>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>3</sup>
		Number-Kind Code <sup>2</sup> (if known)				
	B21	GB 2 294 715	08-05-1996	Tibbitts		
	B22	GB 2 349 401	11-01-2000	Roberts, et al.		
	B23	GB 2 352 747	07-02-2001	Davis, et al.		
	B24	GB 2 357 530	06-27-2001	Schulze-Beckinghausen		
	B25	GB 2 372 765	09-04-2002	Head		

Examiner *[Signature]*Date Considered *2/11/04*

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Sheet 6

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Application Number	10/788,976
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		Number-Kind Code <sup>2</sup> (if known)			
	A91	US-5,271,468	12-21-1993	Streich, et al.	
	A92	US-5,305,839	04-26-1994	Kaisi, et al.	
	A93	US-5,332,043	07-26-1994	Ferguson	
	A94	US-5,351,767	10-04-1994	Stogner, et al.	
	A95	US-5,388,651	02-14-1995	Berry	
	A96	US-5,394,823	03-07-1995	Lenze	
	A97	US-5,433,279	07-18-1995	Tassari, et al.	
	A98	US-5,494,122	02-27-1996	Larsen, et al.	
	A99	US-5,501,286	03-26-1996	Berry	
	A100	US-5,503,234	04-02-1996	Clanton	
	A111	US-5,540,279	07-30-1996	Branch, et al.	
	A112	US-5,542,472	08-06-1996	Pringle, et al.	
	A113	US-5,542,473	08-06-1996	Pringle, et al.	
	A114	US-5,553,672	09-10-1996	Smith, Jr., et al.	
	A115	US-5,577,566	11-26-1996	Albright, et al.	
	A116	US-5,645,131	07-08-1997	Trevisani	
	A117	US-5,706,894	01-13-1998	Hawkins, III	
	A118	US-5,791,410	08-11-1998	Castille, et al.	

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		Number-Kind Code <sup>2</sup> (if known)				
	B26	GB 709 385	05-19-1954	Standard Oil Development		
	B27	GB 716 761	10-13-1954	Standard Oil Development		
	B28	GB 881 358	11-01-1961	Kammerer, et al.		
	B29	GB 2 350 137	11-22-2000	Baugh, et al.		
	B30	RU 2 079 633	05-20-1997	Abdrakhmanov		

Examiner *Francesca S.* Date Considered *8/14/05*EXAMINER: Initial if referred, whether or not citation is in conformance with MPEP 808. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1. Applicant's unique citation designation number (optional). 2. See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. 3. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4. For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6. Applicant is to place a check mark here if English language Translation is attached.

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Sheet 7

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		Number-Kind Code <sup>2</sup> (if known)			
	A119	US-5,803,191	09-08-1998	Mackintosh	
	A120	US-5,813,455	09-29-1998	Milner, et al.	
	A121	US-5,836,395	11-17-1998	Budde	
	A122	US-5,839,515	11-24-1998	Yuan, et al.	
	A123	US-5,850,877	12-22-1998	Albright, et al.	
	A124	US-5,907,664	05-25-1999	Wang, et al.	
	A125	US-5,909,768	06-08-1999	Castille, et al.	
	A126	US-5,971,088	10-26-1999	Bee, et al.	
	A127	US-5,984,007	11-16-1999	Yuan, et al.	
	A128	US-5,988,273	11-23-1999	Monjure, et al.	
	A129	US-6,056,060	05-02-2000	Abrahamsen, et al.	
	A130	US-6,070,500	06-06-2000	Olask, et al.	
	A131	US-6,079,498	06-27-2000	Lima, et al.	
	A132	US-6,079,509	06-27-2000	Bee, et al.	
	A133	US-6,142,545	11-07-2000	Penman, et al.	
	A134	US-6,161,617	12-19-2000	Gjedbo	
	A135	US-6,173,777	01-16-2001	Mullins	
	A136	US-6,199,541	03-13-2001	Downie, et al.	

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		Number-Kind Code <sup>2</sup> (if known)				
	B31	WO 00/39429	07-05-2000	Pietras		
	B32	WO 00/39430	07-05-2000	Pietras		
	B33	WO 00/46484	08-10-2000	Van Buran, et al.		
	B34	WO 00/68879	11-09-2000	Hawkins, et al.		
	B35	WO 02/081863	10-17-2002	Simpson, et al.		

Examiner *Eric Coo*Date Considered *2/10/05*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor precede the serial number of the patent document. 5Ind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

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Application Number	10/788,976
Filing Date	February 27, 2004
First Named Inventor	David McKay et al
Group Art Unit	3672
Examiner Name	Unknown
Attorney Docket Number	WEAT/0372
Customer No.	36735

Submission Date

## U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	A137	US-6,223,823	05-01-2001	Head	
	A138	US-6,227,587	05-08-2001	Terral	
	A139	US-6,275,938	08-14-2001	Bond, et al.	
	A140	US-6,290,432	09-18-2001	Exley, et al.	
	A141	US-6,305,469	10-23-2001	Coenen, et al.	
	A142	US-6,309,002	10-30-2001	Bouligny	
	A143	US-6,349,764	02-26-2002	Adams, et al.	
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	A147	US-6,392,317	05-21-2002	Hall, et al.	
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Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>4</sup>
	B36	WO 02/44601	06-06-2002	Appleford, et al.		
	B37	WO 03/087525	10-23-2003	Vincent, et al.		
	B38	WO 93/07358	04-15-1993	Eiane, et al.		
	B39	WO 96/18799	06-20-1996	Stokka		
	B40	WO 98/05844	02-12-1998	Stokka		

Examiner

Date Considered

9/19/05

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INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Application Number	10/788,976
Filing Date	February 27, 2004
First Named Inventor	David McKay et al
Group Art Unit	3672
Examiner Name	Unknown
Attorney Docket Number	WEAT/0372
Customer No.	36735

Sheet 10 of 12 Submission Date

## U.S. PATENT DOCUMENTS

Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	A173	US-2004/0108142	06-10-2004	Vail, Itl	
	A174	US-2004/0112646	06-17-2004	Vail	
	A175	US-2004/0118613	06-24-2004	Vail	
	A176	US-2004/0123984	07-01-2004	Vail	
	A177	US-2004/0124015	07-01-2004	Vaille, et al.	
	A178	US-2004/0129456	07-08-2004	Vail	
	A179	US-2004/0140128	07-22-2004	Vail	
	A180	US-2004/0173358	09-09-2004	Haugen	
	A181	US-2004/0216925	11-04-2004	Metcalfe, et al.	
	A182	US-2004/0112646	06-17-2004	Vail	
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	A184	US-			
	A185	US-			
	A186	US-			
	A187	US-			
	A188	US-			
	A189	US-			
	A190	US-			

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Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Foreign Patent Document Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>3</sup>
	B46	FR 2741907	06-06-1997	Leighton		
	B47					
	B48					
	B49					
	B50					

Examiner *FEC* Date Considered *2/14/10*  
 EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 909. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1. Applicant's unique citation designation number (optional). 2. See Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. 3. Enter Office that issued the cited document. If citation is to a U.S. Patent, enter USPTO. If citation is to a foreign patent, enter the country or region where the patent was issued. 4. Enter the date of the cited document. 5. Indicate if document is in English or a language other than English. 6. Applicant is to place a check mark here if English language Translation is attached.

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Sheet 11

## NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
7		DETLEF HAHN, FRIEDHELM MAKOHL, and LARRY WATKINS, Casing-While Drilling System Reduces Hole Collapse Risks, Offshore, Pages 54, 56, and 59, February 1998	
→		YAKOV A. GELFGAT, MIKHAIL Y. GELFGAT and YURI S. LOPATIN, Retractable Drill Bit Technology – Drilling Without Pulling Out Drillpipe, Advanced Drilling Solutions Lessons From the FSU; June 2003; Vol. 2, pps. 351-464	
		TOMMY WARREN, SPE, BRUCE HOUTCHENS, SPE, GARRET MADELL, SPE, Directional Drilling With Casing, SPE/IADC 79914, Tesco Corporation, SPE/IADC Drilling Conference 2003	
		LaFleur Petroleum Services, Inc., "Autoseal Circulating Head," Engineering Manufacturing, 1992, 11 Pages	
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		Canrig Top Drive Drilling Systems, Harts Petroleum Engineer International, February 1997, 2 Pages	
→		The Original Portable Top Drive Drilling System, TESCO Drilling Technology, 1997	
7		MIKE KILLALEA, Portable Top Drives: What's Driving The Market?, IADC, Drilling Contractor, September 1994, 4 Pages	
7		500 or 650 ECIS Top Drive, Advanced Permanent Magnet Motor Technology, TESCO Drilling Technology, April 1998, 2 Pages	

Examiner Frank Ross Date Considered 2/14/05

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STATEMENT BY APPLICANT

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Sheet

1

of 2

Complete If Known

Application Number	10/788,976
Filing Date	February 27, 2004
First Named Inventor	David McKay
Art Unit	3672
Examiner Name	Frank Tsay
Attorney Docket Number	WEAT/0372

## U.S. PATENT DOCUMENTS

Examiner Initials	Cite No. <sup>1</sup>	Document Number Number - Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US-6,857,487	02-22-2005	Galloway	
		US-6,857,486	02-22-2005	Chitwood, et al.	
		US-6,854,533	02-15-2005	Galloway	
		US-6,848,517	02-01-2005	Wardley	
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		US-6,371,203	04-16-2002	Frank, et al.	

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Examiner Initials	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		EP 0479583	04-08-1992	Gonzalez, et al.		
		EP 1148206	10-24-2001	Scott, et al.		
		GB 2381809	05-14-2003	Ohmer		
		GB 2347445	09-06-2000	Metcalfe, et al.		
		WO 99/24689	05-20-1999	Collins		
		WO 99/04135	01-28-1999	Collins		
		WO 9705360	02-13-1997	Collins		
		WO 03/074836	09-12-2003	Philip		

Examiner Signature	Examiner Signature	Date Considered	6/2/10
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<i>Complete If Known</i>	
Application Number	10/788,976
Filing Date	February 27, 2004
First Named Inventor	David McKay, et al.
Art Unit	3672
Examiner Name	Frank Tsay
Attorney Docket Number	WEAT/0372

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 3 of 3

## U.S. PATENT DOCUMENTS

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	US-6,237,684		05-29-2001	Boutigny, Jr., et al.	
	US-6,217,256		04-17-2001	Yamamoto, et al.	
	US-6,012,529		01-11-2000	Mikolajczyk, et al.	
	US-5,876,815		03-09-1999	Collins	
	US-5,348,095		09-20-1994	Worrall, et al.	
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	US-4,962,819		10-16-1990	Bailey, et al.	
	US-3,760,894		09-25-1973	Pfleider	
	US-2,978,047		04-04-1961	DeVaan	
	US-2005-0000691		01-06-2005	Giroux, et al.	
	US-2004-0262013		12-30-2004	Tilton, et al.	
	US-2004-0251055		12-16-2004	Shahn, et al.	
	US-2004-0251050		12-16-2004	Shahn, et al.	
	US-2004-0251025		12-16-2004	Giroux, et al.	
	US-2004-0245020		12-09-2004	Giroux, et al.	
	US-2004-0244892		12-09-2004	Carter, et al.	
	US-2004-0226751		11-18-2004	McKay, et al.	
	US-2004-0221997		11-11-2004	Giroux, et al.	
	US-2004-0216924		11-04-2004	Pietras, et al.	
	US-2004-0216692		11-04-2004	Giroux, et al.	
	US-2004-0016575		01-29-2004	Shahn, et al.	

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**FOREIGN PATENT DOCUMENTS**

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